

# Producing more Science per watt for a **greener** America!



**The Argonne Leadership Computing Facility meets the demands of the advanced simulation and modeling community while addressing important environmental concerns.**

- » Similar computing centers require several megawatts of electricity—enough to power a small town! The ALCF needs just over one megawatt of power.
- » The energy efficiency of the ALCF saves taxpayers more than a million dollars a year.
- » Our supercomputer, the Blue Gene/P, uses a third the electricity of comparable machines built with conventional parts.
- » Cold Chicago weather chills the water used to cool the machine room for free several months of the year.



"The ALCF seeks new ways to use extreme-scale supercomputers as a tool for scientific discovery. We pursue solutions to the nation's scientific challenges while simultaneously working to be the most environmentally responsible, efficient, computing resource available for science."

*Pete Beckman, Division Director*

**For more information, visit us online at  
<http://www.alcf.anl.gov/>**